

FIG.1

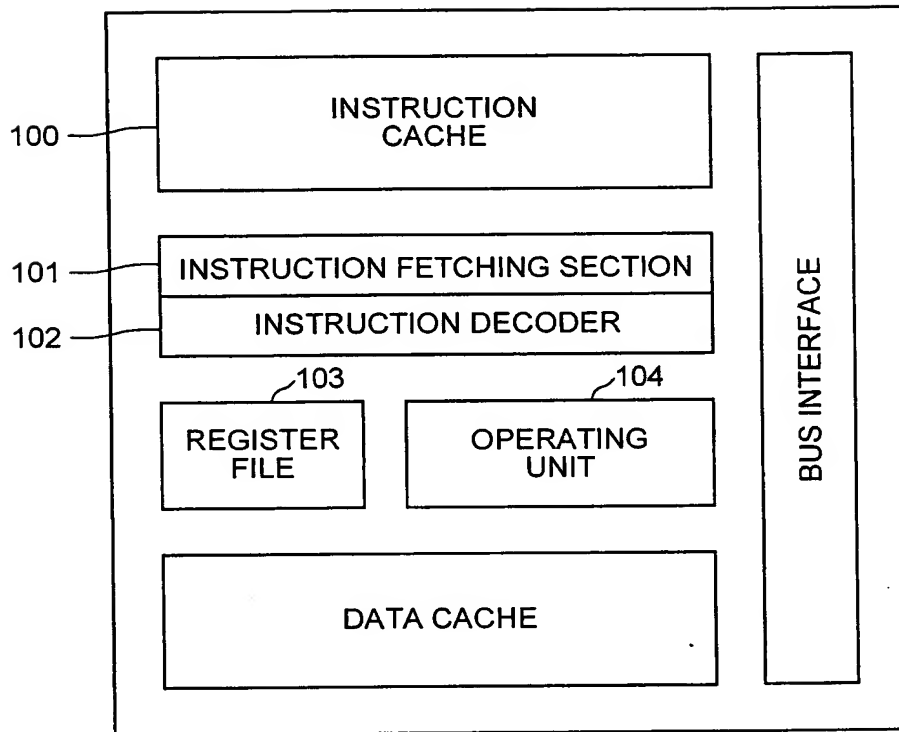


FIG.2

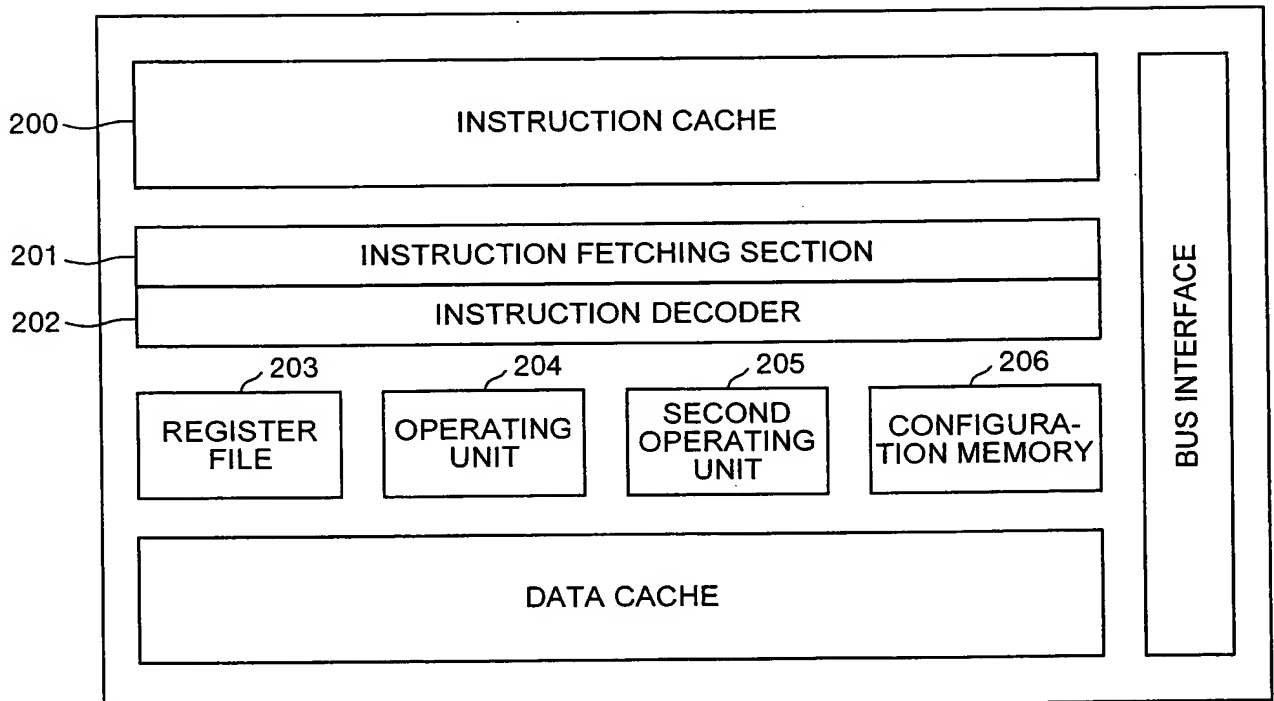


FIG.3

STRUCTURE INFORMATION OF FIRST CUSTOM INSTRUCTION
STRUCTURE INFORMATION OF SECOND CUSTOM INSTRUCTION
STRUCTURE INFORMATION OF THIRD CUSTOM INSTRUCTION
• • • •
STRUCTURE INFORMATION OF n-TH CUSTOM INSTRUCTION

FIG.4

OPERATION CODE THAT SHOWS CUSTOM INSTRUCTION	MEMORY ADDRESS	rs1	rs2	rd
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rs1:SOURCE REGISTER 1  
rs2:SOURCE REGISTER 2  
rd:DESTINATION REGISTER

FIG.5

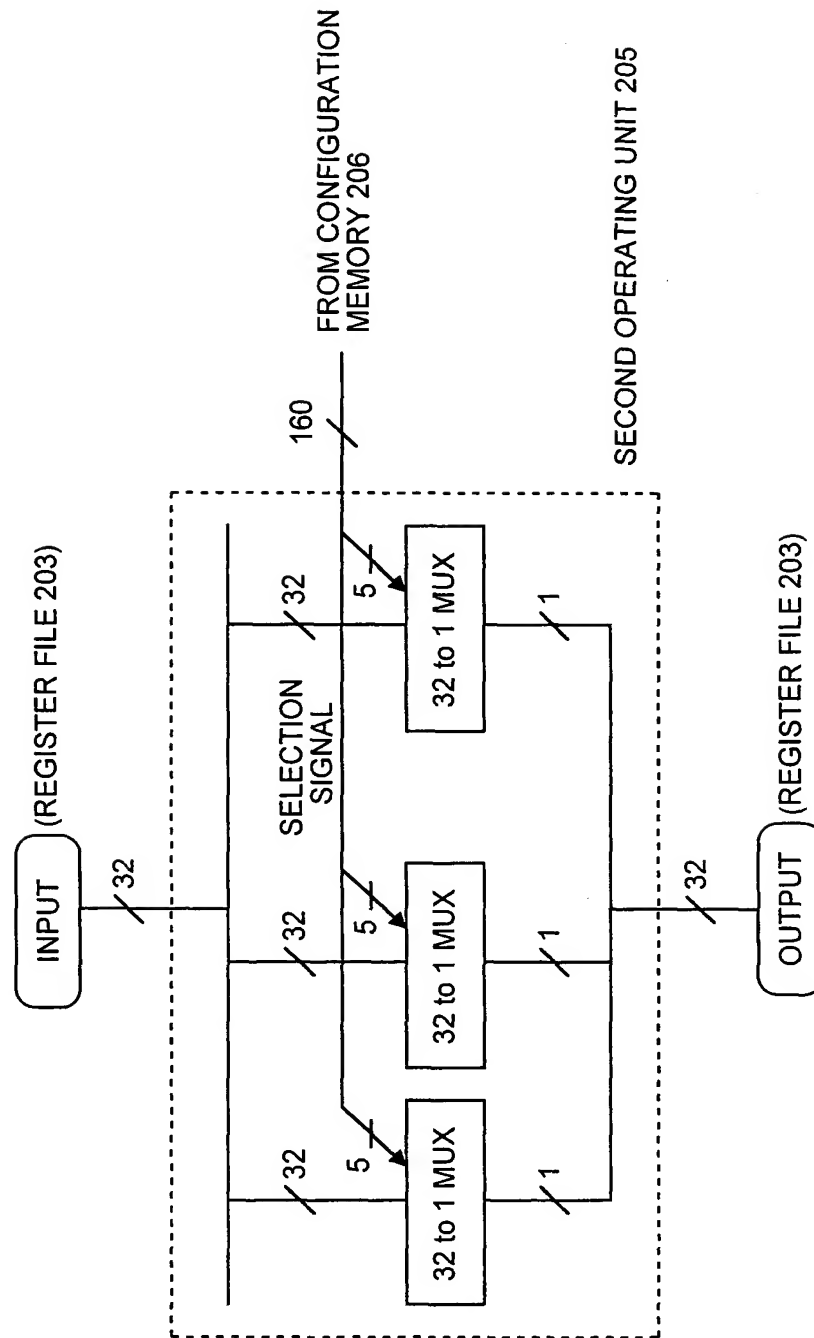


FIG.6

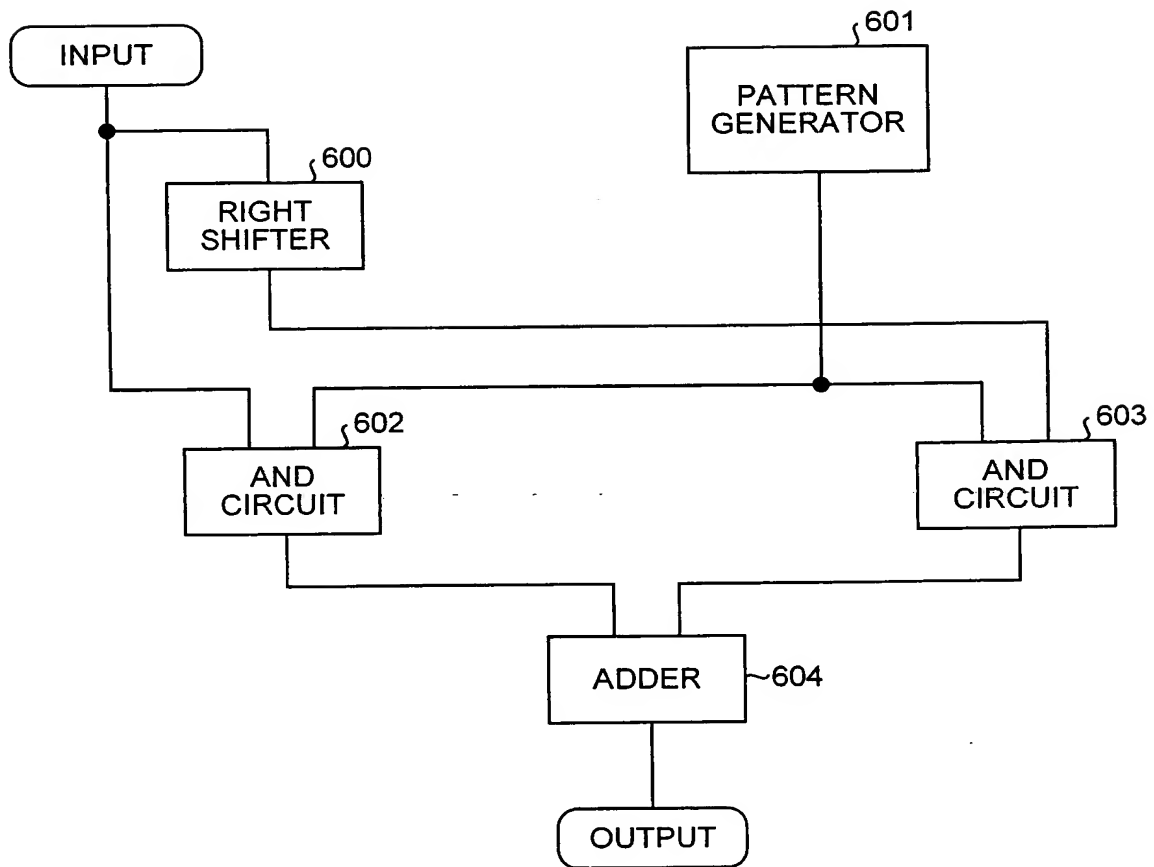


FIG.7

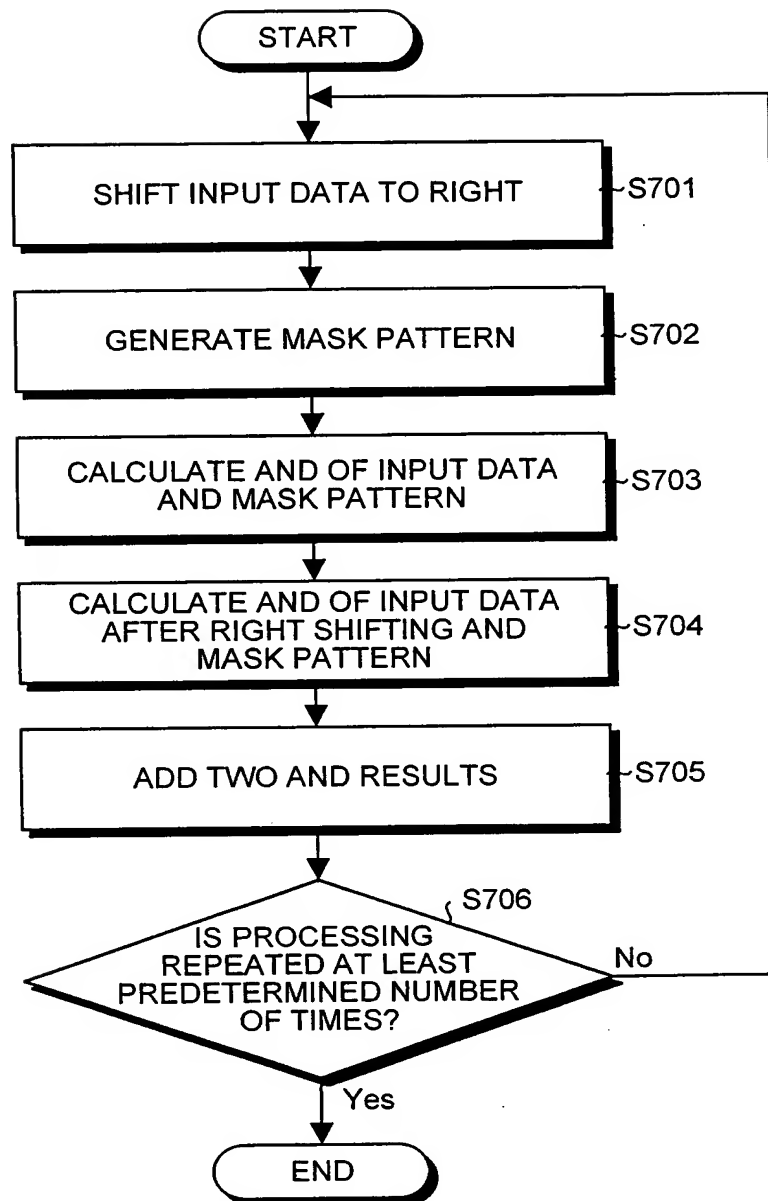


FIG. 8

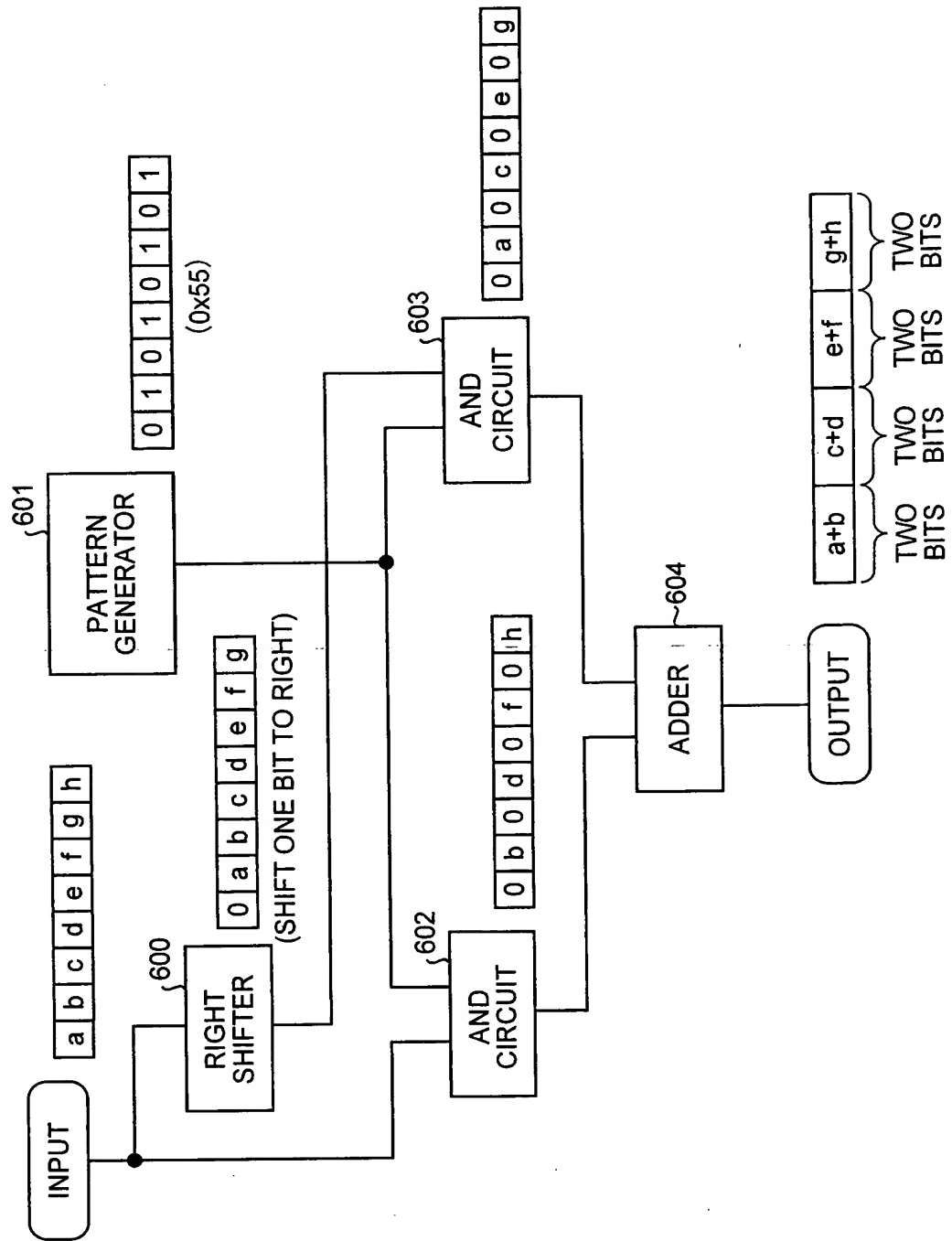


FIG. 9

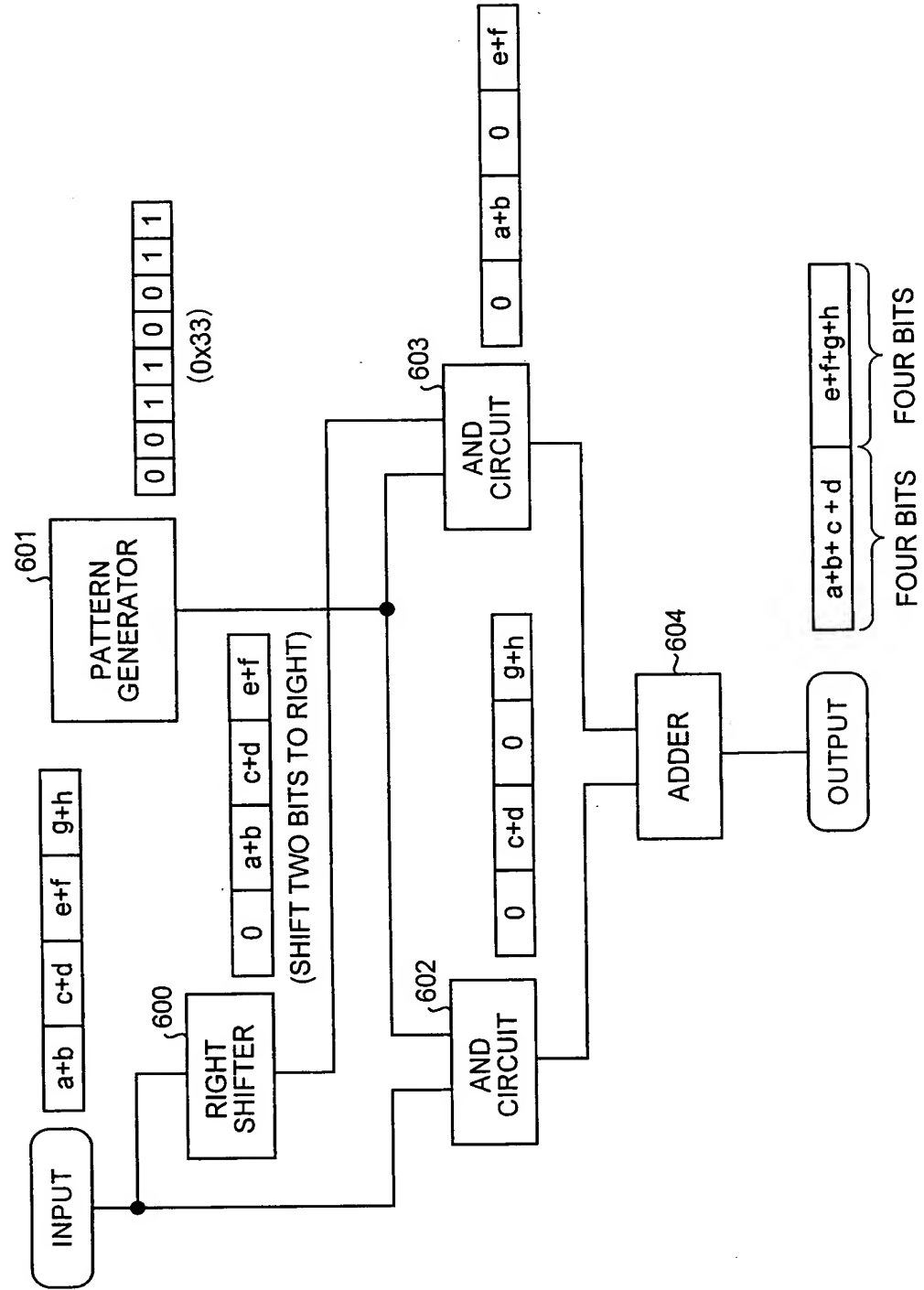


FIG. 10

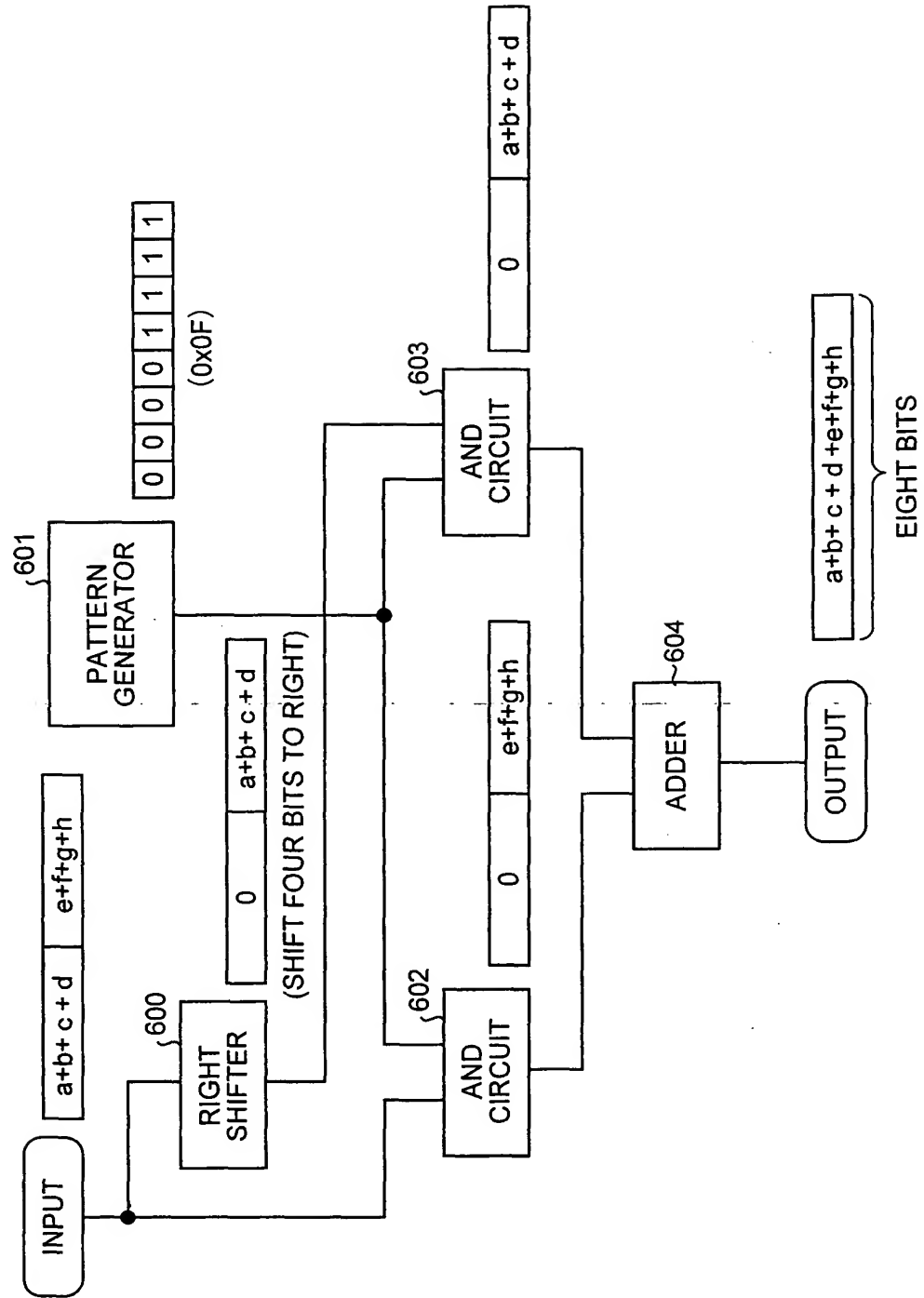




FIG.11

		8 BITS	32 BITS
FIRST TIME	SHIFT QUANTITY	1	1
	MASK PATTERN	01010101(0x55)	01010101 01010101 01010101 01010101 (0x55555555)
SECOND TIME	SHIFT QUANTITY	2	2
	MASK PATTERN	00110011(0x33)	00110011 00110011 00110011 00110011 (0x33333333)
THIRD TIME	SHIFT QUANTITY	4	4
	MASK PATTERN	00001111(0x0F)	00001111 00001111 00001111 00001111 (0x0F0F0F0F)
FOURTH TIME	SHIFT QUANTITY		8
	MASK PATTERN		
FIFTH TIME	SHIFT QUANTITY		16
	MASK PATTERN		
	SHIFT QUANTITY		
	MASK PATTERN		

FIG.12

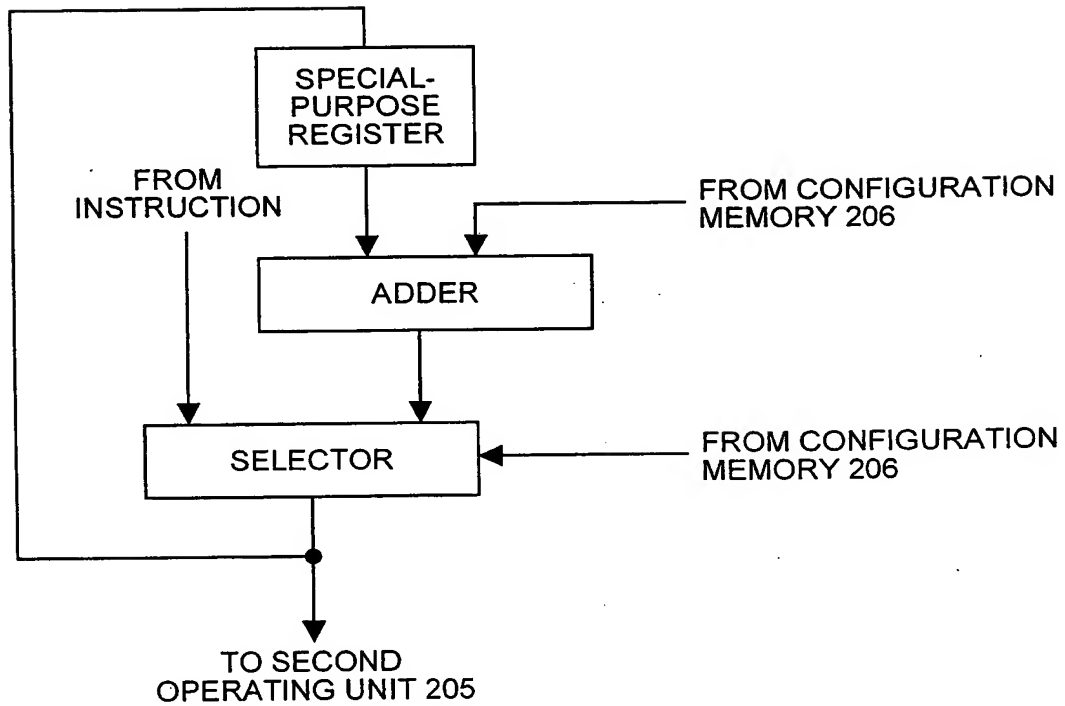


FIG.13

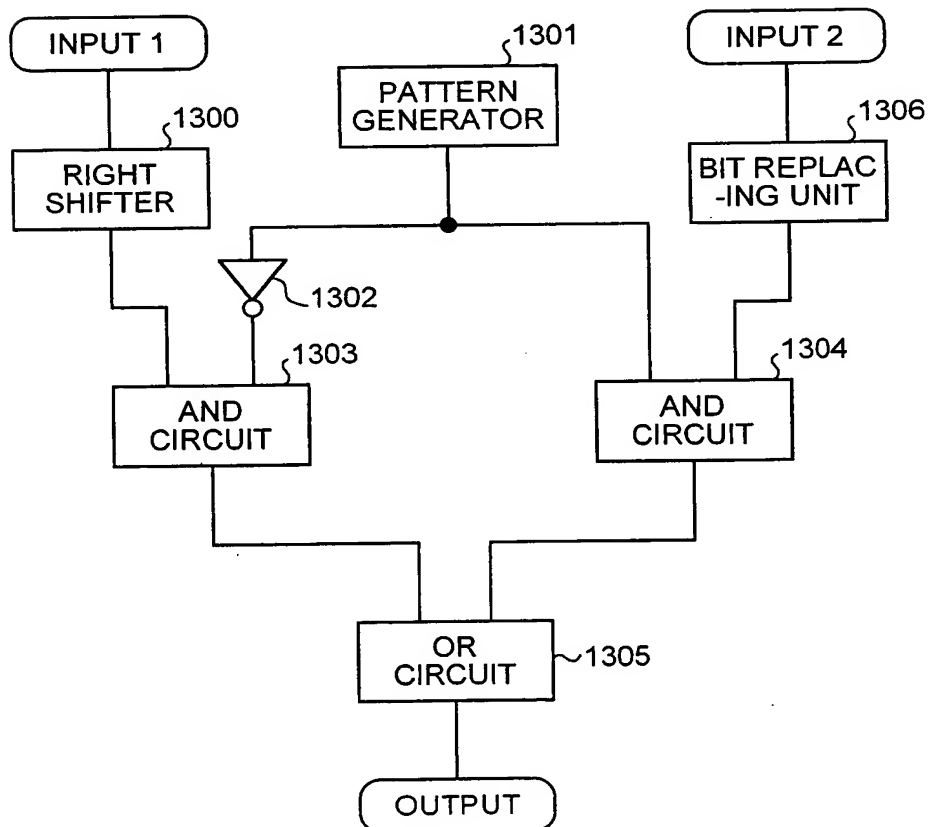


FIG.14

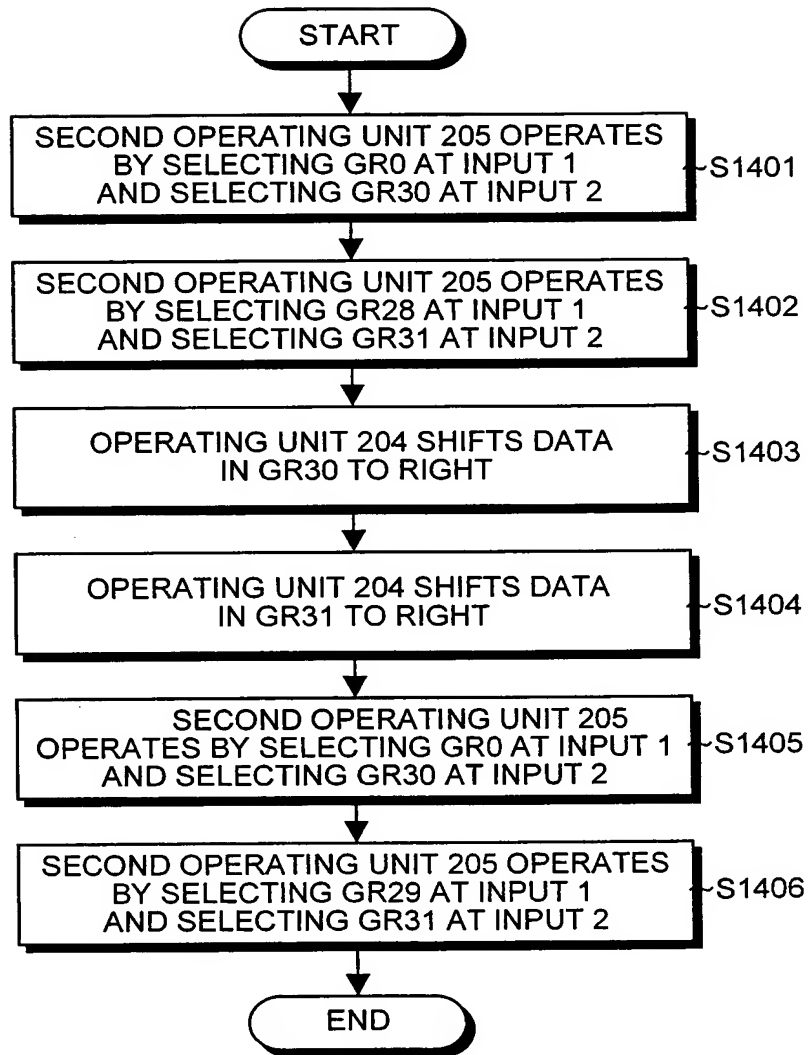


FIG.15

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64

FIG.16

58	50	42	34	26	18	10	2
60	52	44	36	28	20	12	4
62	54	46	38	30	22	14	6
64	56	48	40	32	24	16	8
57	49	41	33	25	17	9	1
59	51	43	35	27	19	11	3
61	53	45	37	29	21	13	5
63	55	47	39	31	23	15	7

FIG.17A

BEFORE REPLACING BITS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
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FIG.17B

AFTER REPLACING BITS

26	18	10	2	*	*	*	*	28	20	12	4	*	*	*	*	30	22	14	6	*	*	*	*	32	24	16	8	*	*	*	*
----	----	----	---	---	---	---	---	----	----	----	---	---	---	---	---	----	----	----	---	---	---	---	---	----	----	----	---	---	---	---	---

FIG.18

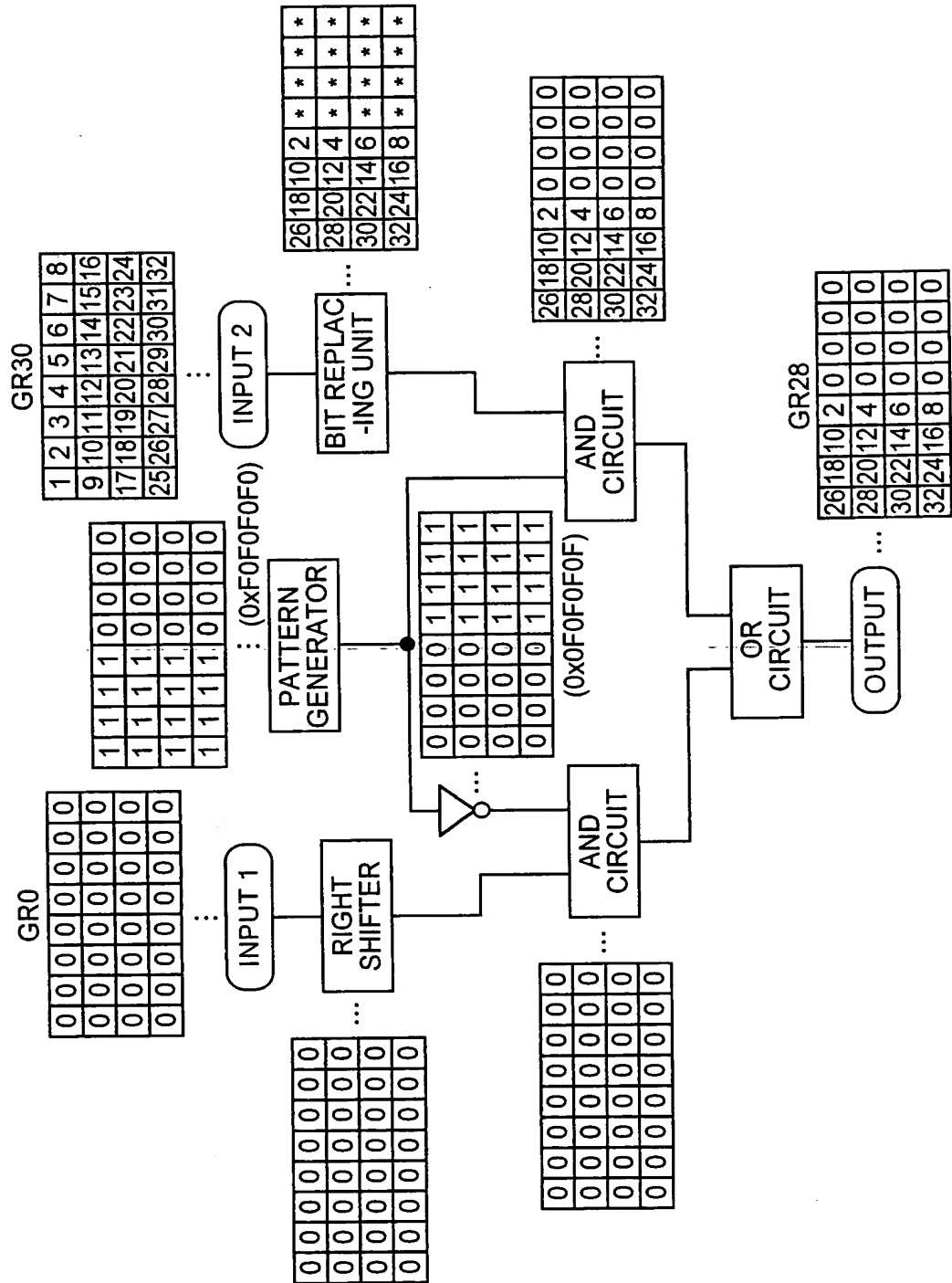


FIG. 19

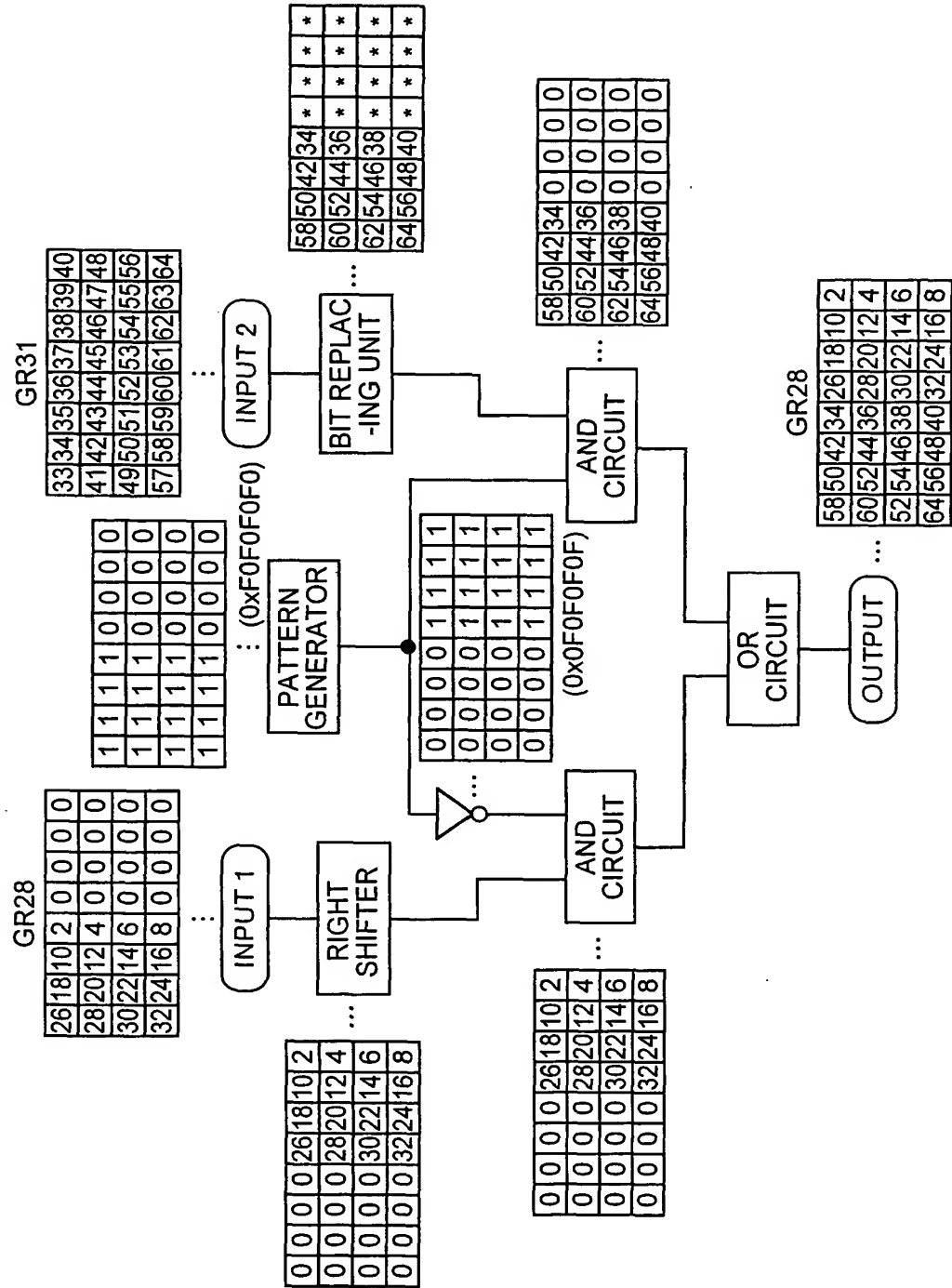






FIG.21

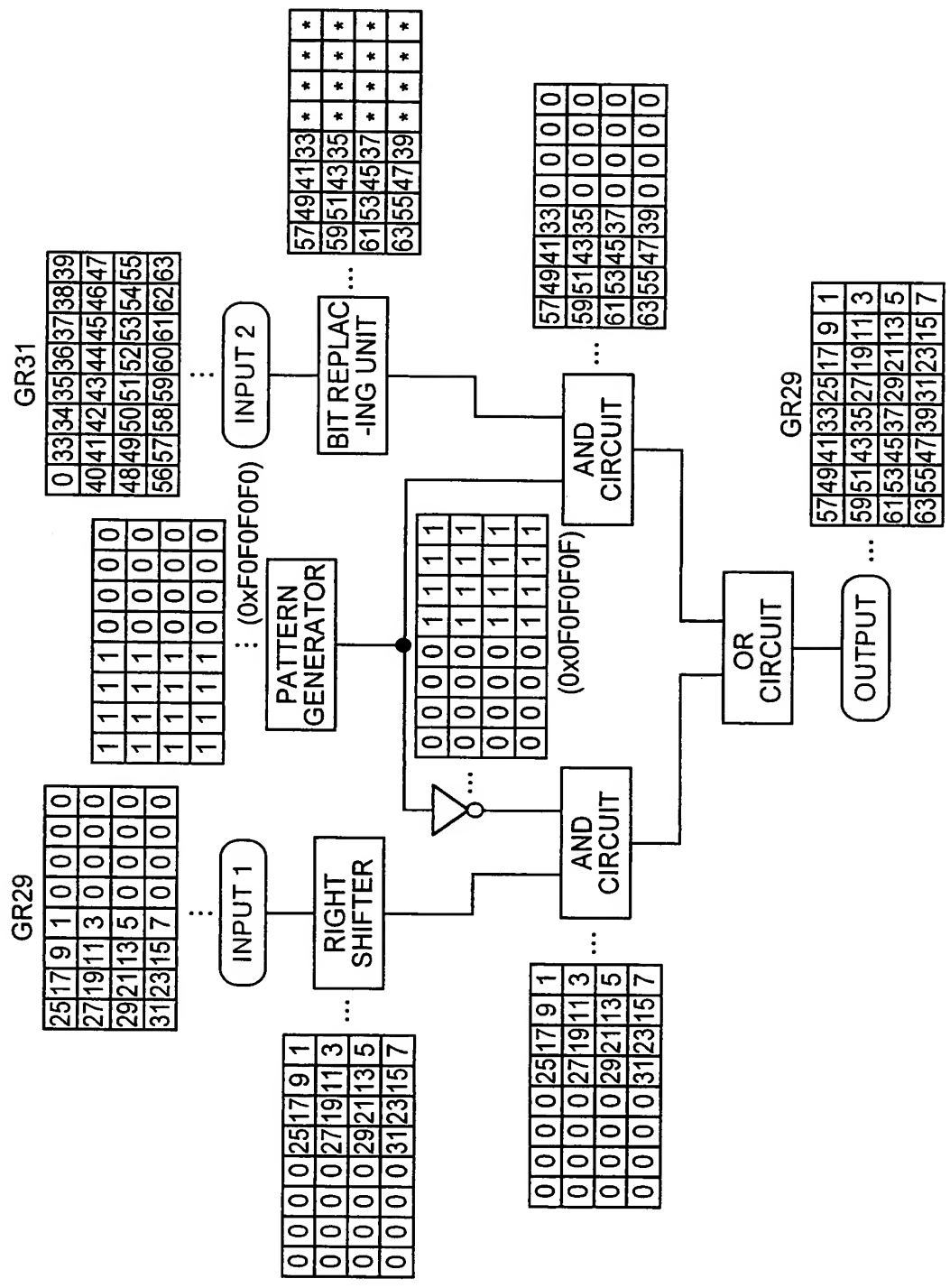


FIG.22

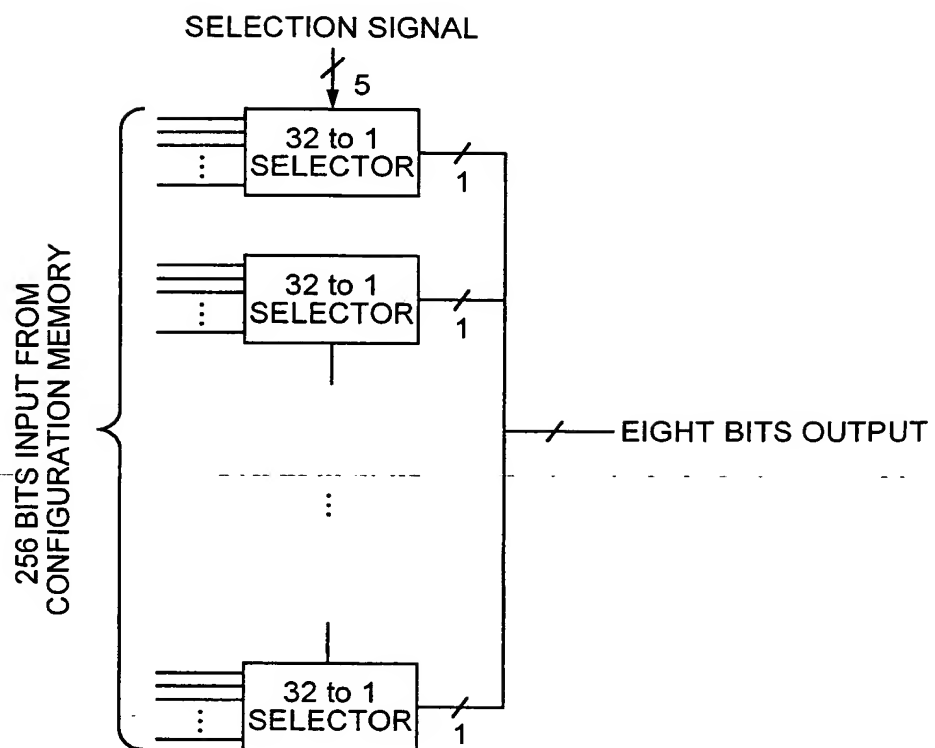


FIG.23

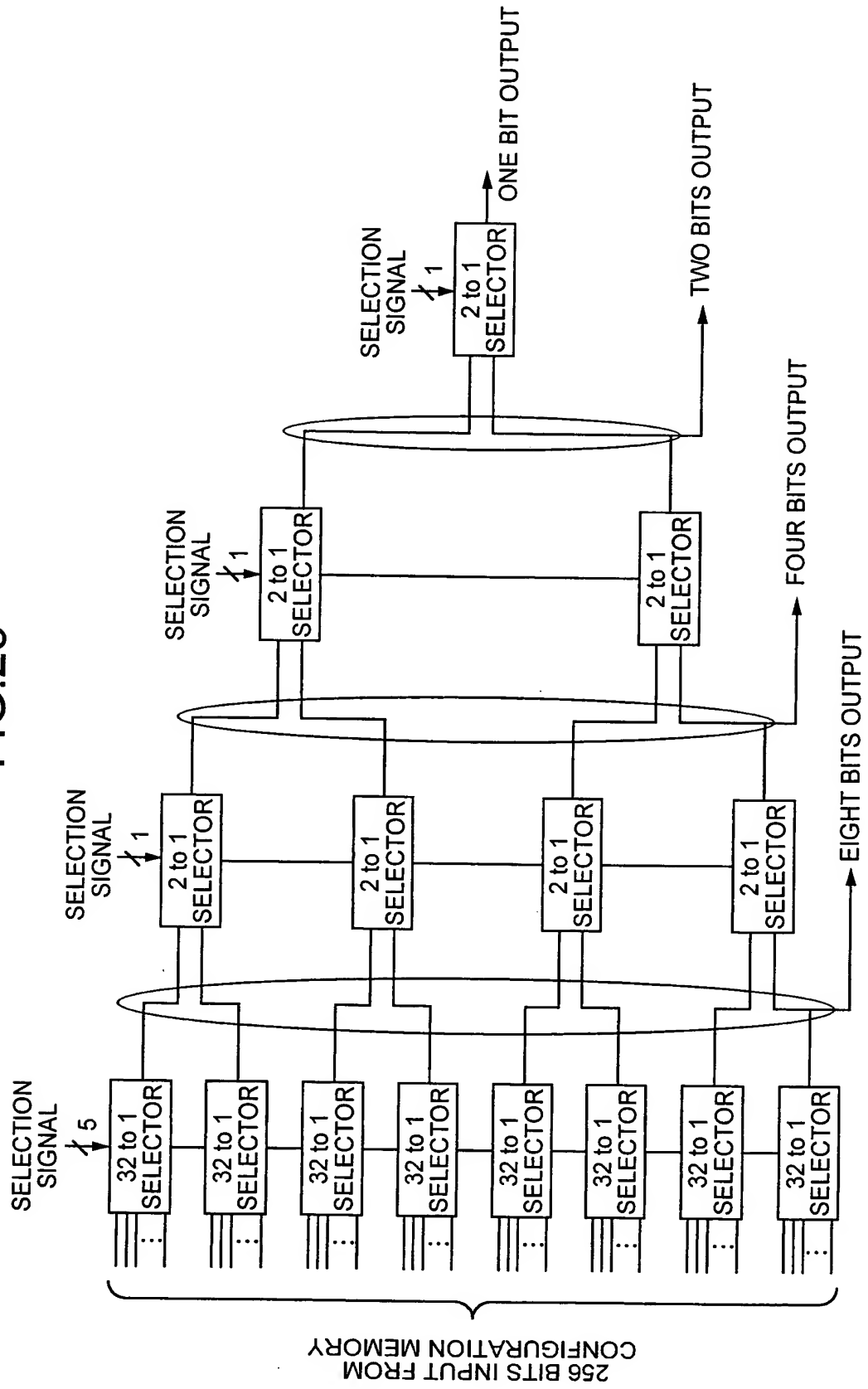


FIG.24

